

User's Manual

Digital Terrestrial Receiver

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GENERAL INFORMATION

This Digital Terrestrial Receiver (DTR) will take you to the new and exciting world of Digital Television. A world of crystal clear widescreen pictures, digital sound, more information and new services. All this and more on "Free to Air" Digital Television.

To make full use of your new DTR please take the time to familiarize yourself with the extensive features of the unit detailed in this User's Guide.

If you need help in setting up please call your dealer or a customer service adviser.

Main Features

- High quality Video & Digital Audio
- Fully MPEG-2, DVB compliant
- User friendly and easy-to-use menu system
- Various program editing functions (Favorite, moving, locking, renaming, deleting and sorting)
- Automatic search for newly added channels
- Stores up to 4000 programs
- Easy and speedy software upgrade through RS-232 port
- Plug-and-play data transfer system (DTR to DTR)
- Timer function, automatically turns On/Off by setting function (daily, monthly, yearly)
- Electronic Program Guide (EPG)
- Supports Teletext
- Selectable Video output CVBS, RGB
- 256 colors On-Screen-Display
- Automatically saves the last program

GENERAL INFORMATION

For Your Safety



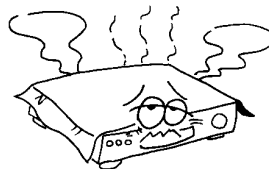
- To avoid electric-shock hazards, do not open the cabinet, refer servicing to qualified personnel only.



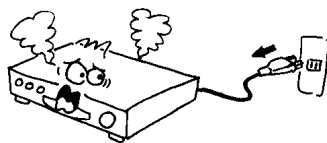
- Keep the receiver away from flower vases, tubs, sinks, etc., in order to avoid damaging the equipment.



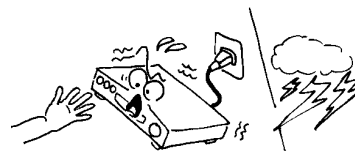
- Do not expose the receiver to direct sunlight. Keep it away from the heat source.



- Do not block ventilation holes of the Receiver so that air can circulate freely.



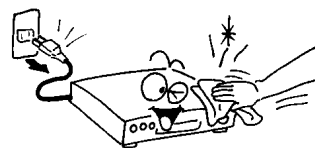
- Turn the power off at the mains and unplug the unit if an abnormal event occurs.



- Do not touch the receiver during an electrical storm as it may create an electrical shock hazard.



- Switch the receiver off whenever it remains out of service for an extended period.



- Be sure to turn the Receiver off and disconnect the AC power cord before cleaning the Receiver surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.

GENERAL INFORMATION

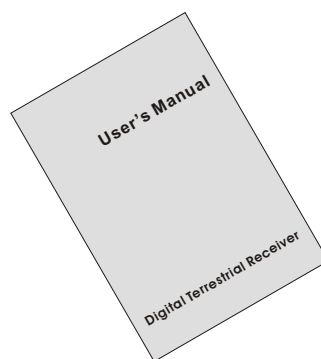
Unpacking



● Remote Control



● Batteries



● User's Guide



● Audio / Video Cable

General Operation

- Throughout this manual you will notice that the everyday operation of the receiver is based on a series of user friendly on screen displays and menus. These menus will help you get the most from your receiver, guiding you through installation, program organizing, viewing and many other functions.
- All function can be carried out using the buttons on the RCU, and some of the function can also be carried out using the buttons on the front panel.
- If at any time when you are using the menus you want to return to the normal TV mode, press the TV/AV button.
- The receiver is easy to use, always at your command and adaptable for future advances.
- Please be aware that new software may change the functionality of the receiver.
- Should you experience any difficulties with the operation of your receiver, please consult the relevant section of this manual, including the Trouble Shooting, or alternatively call your dealer or a customer service adviser.

GENERAL INFORMATION

RCU



Key	Function
	Turns power ON/OFF of the DTR
	When watching a program, mute the sound
0~9	Enter number of the required menu item or select a program number to watch
TV/RADIO	Switches between TV and Radio mode
← PR	Switches back to previous program
FAV	Display the favorite program list
LIST	Display program list
AUDIO	Multiple language
INFO	Shows information of the current program
MENU	Press this key one time to run menu onscreen, and call command box
	Moves up / down a page in the program list
OK, LIST	Executes the selected item in the menu screen or enters the desired value in any input mode
PR+, PR-	When watching a program, change programs or move to the next higher or lower item in the menu
	When watching a program, adjust the volume or move to the left or right item in the menu
EXIT	Returns to the previous menu on the menu screen or escape from the menu
EPG	Calls up the EPG (Electronic Program Guide)
	Selects the different audio modes
TV/AV	Switches between TV and AV modes
	Switches to teletext or subtitle mode
UHF	No function
PAUSE	Press once to pause the screen picture, press once again to go to the normal mode
PAL/NTSC	Switches between PAL and NTSC modes

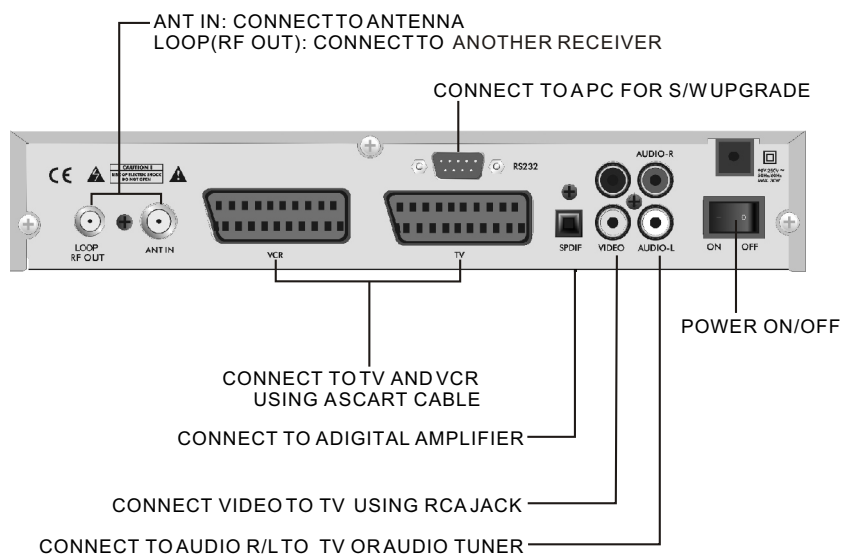
GENERAL INFORMATION

Front Panel



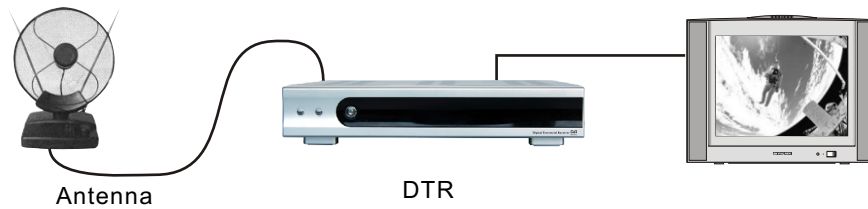
Key	Function
	Turns the power of the receiver on and off.
(CH+)	In live mode, changes to the next channel.
(CH-)	In live mode, changes to the previous channel.
(VOL+)	In live mode, increases the volume.
(VOL-)	In live mode, decreases the volume.

Rear Panel

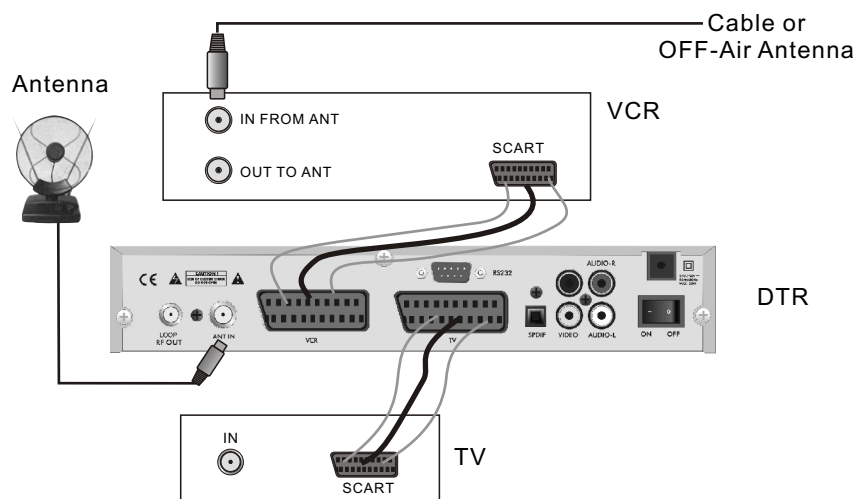


INSTALLATION

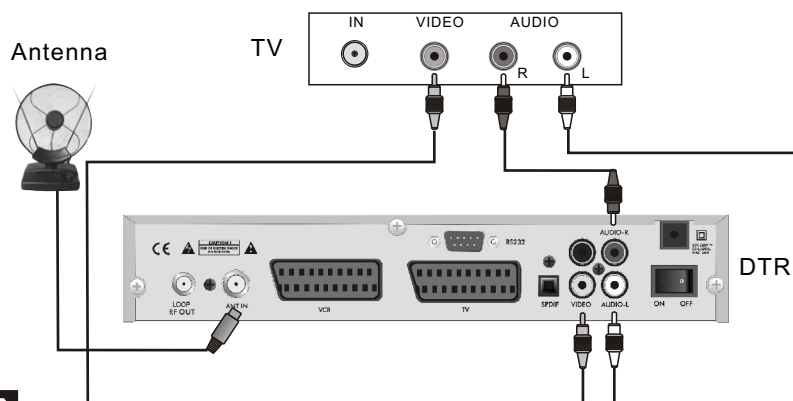
Connecting to ANTENNA & TV



Connecting to TV using SCART support



Connecting to TV using RCA support



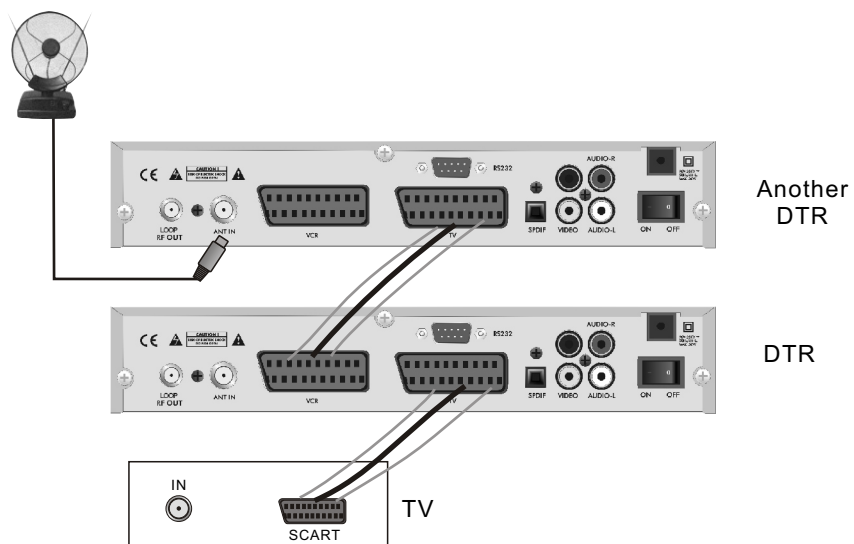
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Connecting

INSTALLATION

Connecting to another DTR

Antenna



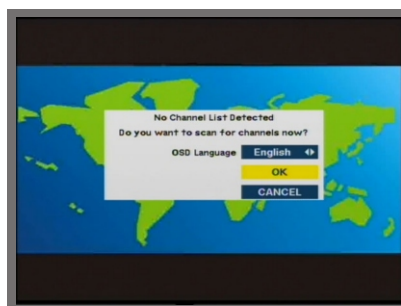
MENU INFORMATION

- Make sure that you have properly installed and connected the cables of the receiver well. If the receiver is the factory status or there is no program, when power on this receiver, the following message box will be displayed on the screen.

- **The way to change the OSD language.**

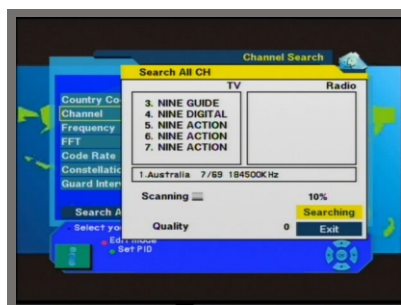
The default language can be changed. Use **CH+**, **CH-** keys to select the OSD language item.

In this item, use **VOL+**, **VOL-** keys to select the desired language directly. Or use **CH+**, **CH-** keys select one in the language list popped by pressing the **OK** key, and then press **OK** key to confirm.



- **Automatic searching programs.**

In the message box, once **OK** key is pressed on the **OK** button, system will enter into the Channel Search window and start searching. After searching, press **EXIT** key to normal view mode.



If there is no searched program, you can not return to the normal mode unless you have searched the programs. The detail way to search the programs, please refer to **Channel Search** title.

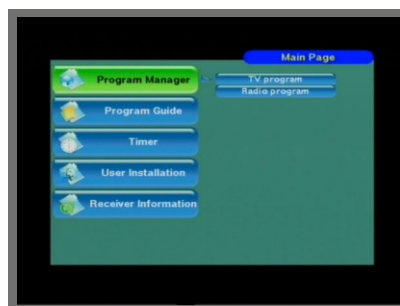
MENU INFORMATION

Main Menu

- During the normal TV/RADIO mode, press **MENU** key on the RCU or on the front panel to enter into the **Main Menu**.

- This menu consists of the 5 major main menus as follows:

- Channel Manager
- Program Guide
- Timer
- User Installation
- Receiver Information



- During installation, the **OK** key confirms a selection and may show a Down List Box if the column has a mark. You can also use the numeric keys on the RCU to enter numeric value.

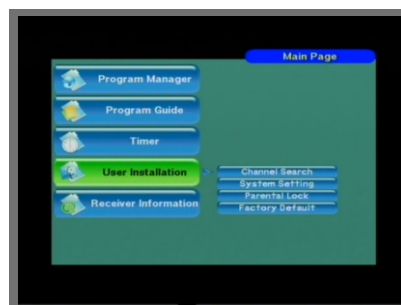
Use the **PR+** or **PR-** keys to move upwards and downwards from one line to another and use the **VOL+**, **VOL-** keys to move from main menu to submenus and move from left side to right side or vice versa.

To escape from the menu system at any time, press the **EXIT** key on the RCU.

USER INSTALLATION

- This menu consists of the 4 major sub-menus listed below:

- Channel Search
- System Setting
- Parental Lock
- Factory Default

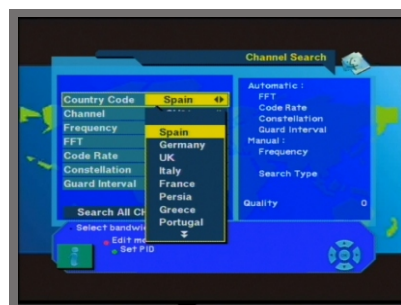


Channel Search

- Move cursor to **Channel Search** item in **User Installation** menu by using **VOL+** or **VOL-** keys on the RCU, and press **OK** key to enter into the **Channel Search** menu.

1)**Country Code**: Select the desired country code. Use **VOL+** or **VOL-** keys to select directly. Or use **CH+** or **CH-** key to select one in the channel list popped by pressing **OK** key, and then press **OK** key to confirm.

2) **Channel** : Refer to the same operation methods as the above.



3)**Frequency**: The original value is determined by the above selected channel.

Edit Mode: If you want to edit the value in Frequency item, please press the **Edit Mode** key (**Red** color key) on the RCU. Use the numeric keys on the RCU to change its value directly, or input the desired value in the keypad popped by pressing **OK** key.

4)**FFT, Code Rate, Constellation, Guard interval**: The values in these items are changed automatically and can not be set by hand.

- 5) **Search Channel**: Allows you to search for channels using the following options:
- **Search All Channel**: Search All Channels in the network.
 - **Search 1 Channel** : Search programs in one channel which need to be selected from the channel column.
 - **Search Network** : Search programs for the network.

USER INSTALLATION

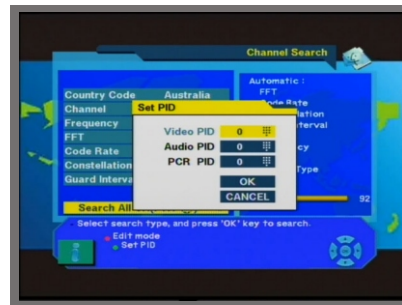
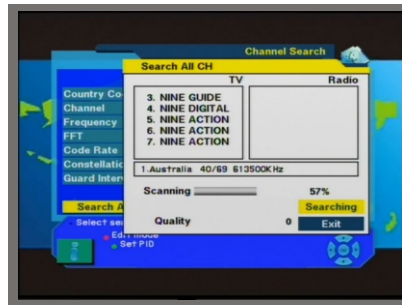
Channel Search

During searching, the searched channels will be divided into TV and Radio list box respectively and automatically.

After searching, cursor will be placed on the **COMPLETE** automatically, then press **OK** key to return to **Channel Search** window.

If move cursor to **VIEW** button and press **OK** key. A warning message "Please wait for saving the data" will appear for several minutes, and then you can view searched programs in normal mode.

6) Set PID : If you want to set **PID** (Packet Identifier) manually, please press **SET PID** key (Green colour key) on the RCU, then **Set PID** window will be displayed. Enter the correct value and select **OK**.



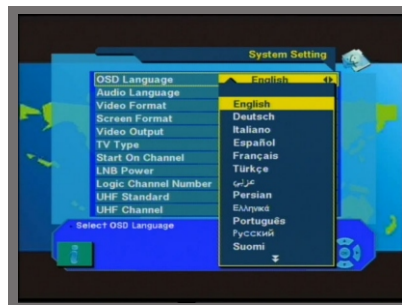
System Setting

● **System Setting** menu provides you with options to adjust your settings to suit your setup and personal taste. Press **OK** on the RCU.

1) OSD Language : Select your desired language.

2) Audio Language : Press **OK** key to enter into **Select Audio Language** window.

First Language, Second Language, Third Language, Fourth Language: Select the desired language in order as you want. The selected language will take effect only when it was offered by the service provider.



USER INSTALLATION

System Setting

After setting, select **OK** button and press **OK** key to confirm, otherwise press **EXIT** key.

3) Video Format : Select your desired video format.

4) Screen Format : Select your desired screen format from **4:3** and **16:9** options.

5) Video output : If your SCART supports RGB control, select **RGB**. Otherwise select **CVBS**.

6) TV type : Select proper TV type among PAL, NTSC, PAL&NTSC.

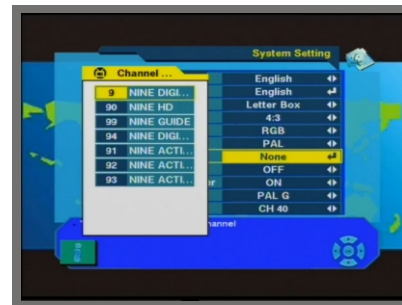
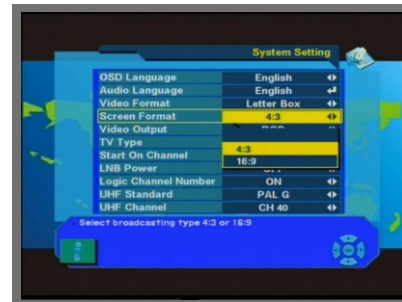
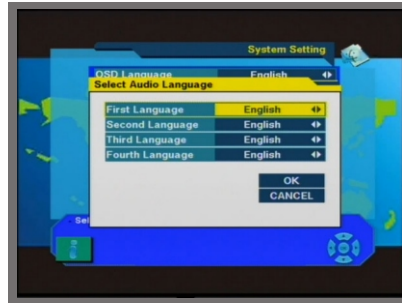
7) Start On Channel : To display a selected channel everytime you turn the unit on, press **OK** and select your default channel from the list displayed.

8) LNB Power: Select between **ON** and **OFF**.

9) Logic Channel Number: Select between **ON** and **OFF**. If select **OFF**, all searched channels will be sorted by their searching order. If select **ON**, all searched channels will be their logic channel numbers. The default values is **ON**.

10) UHF Standard: Select UHF type.

11) UHF Channel : Select your desired UHF channel.



USER INSTALLATION

Parental Lock

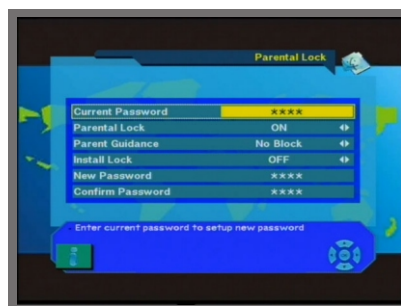
- This function allows you to block programs based on Parental Guidance ratings. You can protect your installed data and information by selecting the Install Lock function.

● How to change Password :

- 1) Enter the current password.
- 2) Select **ON** at Parental Lock item by using left or right arrow keys.
- 3) Enter new password.
- 4) Confirm your new password by entering new password again.

Note:

1. The default password is **0000**.
2. Do not forget your new password in order not to fail to operate the receiver.



● How to use Parental Lock :

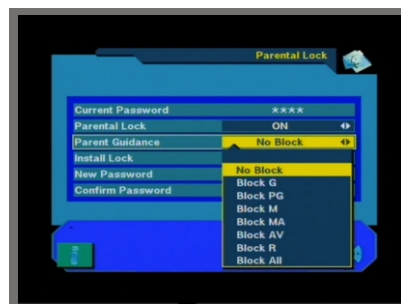
- 1) Set Parent Lock **ON** and go to the TV Channel Manager page.
- 2) Press the Lock key (Blue color key) on the RCU.
- 3) Select the channel that you want to lock.
- 4) Press OK key, the **Ⓛ** symbol is marked.



● How to use Parental Rating Level

- 1) Enter the password and press **OK**.
- 2) In Parent Guidance item, system has provided eight levels to prevent children from watching programs beyond their age.

Parental Rating Value
 No Block: Not Classified
 Block G: General
 Block M: Mature Audience (15+)
 Block MA: Mature, Strong Violent
 Block AV: Adult, Strong Violent
 Block R: Restricted 18+
 Block All: Lock all channels.



Use left or right arrow keys to select desired level directly. Or press **OK** key to pop up a drop-down box list, then move cursor to select the desired level and press **OK** key to confirm.

USER INSTALLATION

Parental Lock

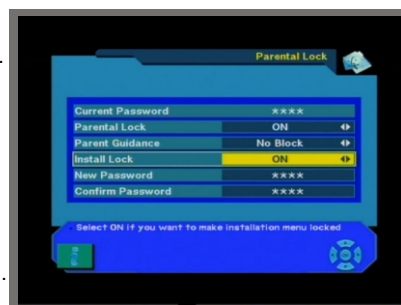
3) Press **Exit**, the STB will save the data and block all programs at selected level or beyond.

Note:

1. This parental rating function can only take effect when the transmission of the viewing program includes such rating level information.
2. In viewing mode, if current program is locked, equal to or beyond the set rating level, a password is needed before you can view this program.

● How to use Install Lock :

- 1) Enter the current password.
- 2) Select **ON** from the Install Lock sub-menu.
- 3) Enter new password.
- 4) Confirm your new password entering new password again.
- 5) Exit this menu.
- 6) Select any menu and press **OK** on the RCU.
- 7) The Enter Password Box will be displayed.
- 8) Unless the correct password is entered menus cannot be operated.



Note :

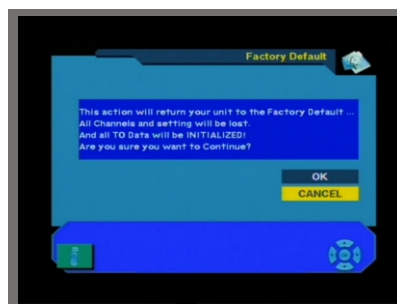
1. The Install lock password is the same as the Parental Lock password.
2. The default password is **0000**.

Factory Default

- If you want to bring the receiver back to the factory default condition, select Factory Default and press **OK** key.

A warning message will be displayed, to continue select and press **OK**.

Warning : You will lose all of the data and information which was installed.

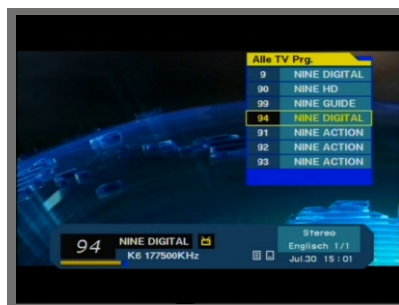


GENERAL VIEWING FUNCTION

- The following describes the basic functions of your receiver while watching digital TV or listening to digital radio.

Select Program

- If you want to select a program, use **▲▼** key on the front panel, **CH+**, **CH-** key on the RCU, or numeric key on the RCU directly.
- While watching digital TV, press the **OK** key on the RCU. The program list will be displayed on the right side of the screen. If you press the **EXIT** key, the program list will be gone.

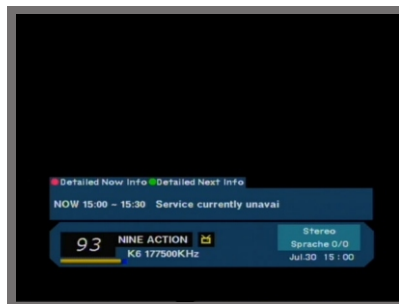


TV & Radiomode

- While viewing TV program, press **TV/RADIO** key on the RCU to move to radio mode. Press this key once again to return to TV mode.

Program Information

- During viewing, when you select program or press **INFO** key, the information bar, which includes the basic information of the current program, will be displayed on the screen for several seconds.
- If the service provider has offered the now and next program guide, before the bar disappears, press red colour key to know detail of the now program, or press green colour key to know the next program.



Pause the frame

- Press **PAUSE** key on the RCU to pause the screen. To bring it back to the normal mode, press **PAUSE** key once again.

GENERAL VIEWING FUNCTION

Previous program recall

- Press **← PR** key on the RCU to move to the previous program you were watching before.

Favorite List

- If you want to create one of the three Favorites List available, press the **FAV** key on the RCU.

You can navigate to the next Favorites List by pressing the **FAV** key again.

- For more information on organising your Favorite Lists refer to the "**Favorite Program**" section on page 16.



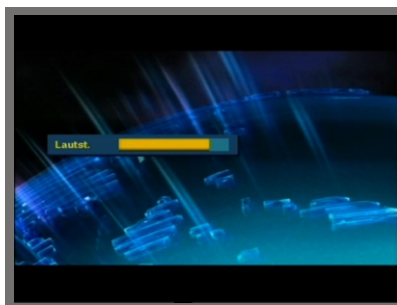
Volume & Audio Control

1) Volume Control

To increase or decrease volume, use **VOL+**, **VOL-** key on the RCU or **VOL+**, **VOL-** on the front panel.

2) Mute

To mute the sound, press **MUTE** button on the RCU. To bring back the normal sound, press this key once again.



3) Audio Control

Press the **L/R** key repeatedly to select one of three possible Audio settings (Left, Right and Stereo).

The current audio selection will be displayed in the program information.

4) Language Selection

Press the **AUDIO** key on the RCU repeatedly to select audio-language. This is dependent on the transmission of audio signal which supports Multi-language options.

PROGRAM MANAGER

- This receiver provides a number of practical options to manage digital television programs.

Program Manager

- Move the cursor to highlight the **TV Program** sub menu from the Channel manager menu and press **OK**.
- The program list will be displayed on the left side of the screen and a small Picture in Graphic (PIG) will be displayed on the right. Information about the highlighted channel is displayed underneath the PIG screen.

When you navigate the cursor through the channel list the PIG display will change accordingly.

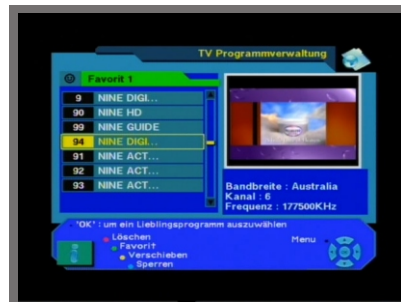


- You can utilize the color keys on the RCU as below :


1. Delete mode (Red key)
2. Favorite mode (Green key)
3. Move mode (Yellow key)
4. Lock mode (Blue key)

In this mode press the **MENU** key on the remote to invoke the following:

1. Rename Favorite group
2. Rename
3. Sort



Favorite Channel

- When you select program manager, default favorite list will be displayed on the screen as Favorite 1.
- Select your favorite channel and then press OK key. Then  will be displayed at rear of your selected channel.

To delete a channel from your **Favorite List** highlight the channel and press **OK**.



PROGRAM MANAGER

Favorite Channel

- After you have completed your Favorites List press the **EXIT** key twice to save the data. Then press the **FAV** key to ensure that your changes have been saved correctly.

How to make favorite group :

1)When you enter program manager, the default favorite group will be displayed on the screen as Favorite 1.

2)If you press favorite key (Green color key) on the RCU, new favorite groups will be created as Favorite2 and Favorite3.



How to edit the name of Favorite group :

1)In favorite mode, press **MENU** key on the RCU then the Favorite sub menu will be displayed on the screen.

2)Select **"Rename Favorite group"** .

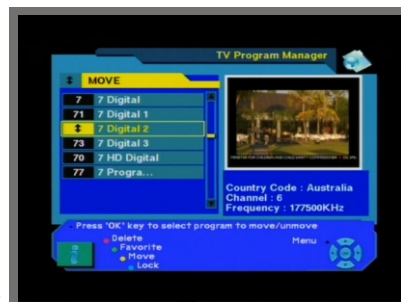
3)Edit the name using the keypad.



Move Channel

- In the TV program manager page, press **Move** key (Yellow color key) on the RCU. Select a channel by pressing **OK** key and move the cursor to the location in which you want to move the selected channel press **OK** key. Then, you will find the selected program is moved to the desired location and channel number.

- Check whether the channel number is changed on the program list.



PROGRAM MANAGER

Lock Channel

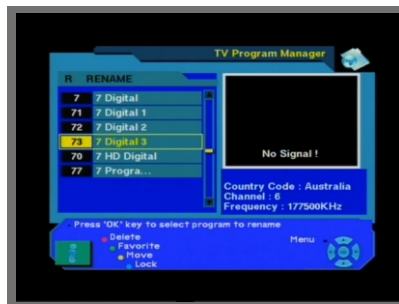
- In the TV program manager page, press **Lock** key (blue color key) on the RCU.
- This **Lock** command allows you to lock the channel. First select the program, which you want to lock, press **OK** key and then **Ⓛ** will be displayed at rear of your selected channel name.

Note : To perform this function, you should set up the Parental Lock in advance.



Rename Channel

- In TV program manager Page, press **MENU** key on the RCU, then select **Rename** on the command menu.
- This **Rename** command allows you to rename the channel. First select the channel to be renamed and press **OK** key, then, the Keypad dialog box will be displayed. Edit your desired name entering word or number. To delete characters or numbers, select from the keypad dialog.



PROGRAM MANAGER

Delete Channel

- In the Program manager, you can enter **Delete** mode, if you press **Delete** key (Red color key) on the RCU. Then, if you press **Delete** key (Red color key) repeatedly, the mode will change to **Delete CH -> Delete All -> Delete PG**.
- This **Delete** command allows you to delete the channel permanently. First select the channels which you want to delete, the selected channel number will be marked as **X**. To cancel the selection, press **OK** again.
- If you decide to delete, press **EXIT** key and then the Message box will be displayed. Press **OK** to delete.



Check whether the channel name is deleted on program list .

Warning : The deleted channel can not be recovered unless you search again. Please be careful when you decide to delete channels.

Sort Channel

- In TV program manager Page, press **MENU** key on the RCU, and select **Sort** on the command menu.
- This **Sort** menu has a sub command that allows you to sort the channels.
- You can sort the channels by **Favorite**, **Lock**, **Scramble**, **Channel** name. Place the cursor on your desired line, and then press **OK**.

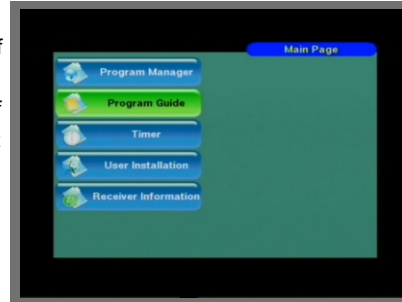


- Check whether the channels are sorted properly on the program list.

Note : Radio Program Manager has the same operation as TV program Manager.

EPG(Electronic Program Guide)

- The receiver provides EPG function for you to access the TV Guide(or Radio Guide if you are listening to radio programs) which will show the titles and other information of the current and next programs on different channels. The information is only available from the network to which the program you are watching belongs.



- Display the EPG.

You can see the program in the PIG screen, program list on the left side and Program schedule for selected program will be displayed on the right side. The time will be displayed relating to the program schedule.



Select one channel and place the mark on the time of Program name which detail information you want to know. Then you can see blue button, if there is details information of the program. And press Detail(Blue color key) key on the RCU, then detail information box will be displayed.

If you want to check the former or later information of the channel, please press +6:00 key (Yellow color key) or 6:00 key (Green color key) on the RCU.

Note : A **No Information Yet** message will be shown if the selected program does not provide EPG data.

EPG(Electronic Program Guide)

Special Channel EPG

- During the normal viewing mode, press **INFO** key twice to enter into the program guide window of the current channel.
- In this window, system has provided the current week program guide of the selected channel. Use VOL+, VOL- keys to select the day from Sunday to Saturday.



- The contents shown in "Duration & Title" box will vary with the selected day. Use CH+, CH- keys to select the guides up or down, while left detail description will vary with the selected guide.

TIMER

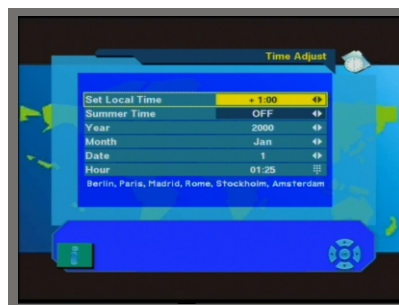
- The **TIMER** function allows you to program the timer in various ways.

To activate the **Turn On Time** and/or **Turn Off Time**, select **YES** and enter your time.

Time Adjust

- Summer Time: If you are in summer time, select ON.

Note : TimeAdjust is default for the first time.



Time Reservation

- Time Reservation allows you to program the various timer function.

1) Timer Number: Select your desired timer number.

2) Turn On Channel: If there are searched programs, press **OK** key to pop up the searched program list. Select desired channel and press **OK** key to confirm.

If there is no searched program, this item turns grey and can not be set.

3) Time Type: Through this item, you can set the timer one time, daily, weekly and monthly.

4) Event Type: Select between **Turn ON** and **Turn OFF**. If select "**Turn ON**", the event is that the receiver will turn on the just set Turn ON channel at the defined time. If select "**Turn OFF**", the event is that the receiver will turn off or standby at the defined time.

5) Enable: Select between ON and OFF. If select "ON", the event will take effect. The default value is "ON".

6) The following time setting items, such as Month, Date and Time, are determined by the selection in the above Time Type item.



FRONT PANEL DISPLAY



UP LOAD PROCEDURE



VCR MODE



DOWN LOAD
PROCEDURE



SYSTEM WAITING



ERROR IN DATA
TRANSMITTING



FLASH ROM ERROR



TV MODE



SYSTEM BOOTING



TIME
(STAND BY INDICATOR)



SOFTWARE VERSION
ERROR

TROUBLE SHOOTING

Problem	Possible causes	What to do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into the power socket.
No sound or picture, but the front panel shows red light.	The receiver is in standby mode.	Press the standby button.
No sound or picture.	No signal or weak signal.	Check the cable connections, antenna and other equipment connected between the antenna and the receiver.
	Signal is too strong.	Connect a signal attenuator to the antenna input.
Bad picture / blocking error.	Antenna noise factor too high.	Change to an antenna with lower noise factor.
	The antenna is faulty.	Change the antenna.
The picture is not displayed on the screen, when switching on.	The system is connected by RF leads.	Check the UHF channel fixed in your system and tune the UHF channel properly.
There is interference on your terrestrial program or video signal.	The system is connected by RF leads and the output program of the receiver interferes with an existing terrestrial programs or Video signal.	Change the receiver output program to a more suitable program, or connect the system by SCART leads.
The RCU is not working.	Battery exhausted.	Change the batteries.
	RCU is incorrectly aimed.	Aim RCU at the receiver, or check that nothing blocks the front panel.

● **Note** : If you have tried all of the actions suggested above, without solving the problem, please contact your dealer or a customer service adviser.